

Abstract

Of a pair of rolling bearings provided for protection of magnetic bearings which support a rotatable shaft in a non-contact condition, such that the rolling bearings for protection are arranged together with the magnetic bearings, and used for supporting the rotatable shaft upon rotation stoppage, one of the rolling bearings for protection is provided on the side where thrust load is received or on the side where positioning in the axial direction is carried out, and comprises a double row, angular ball bearing which has inner and outer races one of which is installed on the rotatable shaft side and of an integral type.